

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
STEPHEN E. Frazier)
Serial No. To Be Assigned)
Filing Date: Date herewith) Examiner: Ivars C. Cintins
For: DEVICE AND ASSOCIATED) Art Unit: 1724
METHODS FOR REMOVAL OF)
CHLORINE FROM WATER)

PRELIMINARY AMENDMENT

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

In the above referenced divisional patent application,
please enter the following preliminary amendment.

In the Abstract:

Please cancel the abstract in its entirety and substitute
the abstract set forth below.

A process of making enhanced activated
carbon having an increased capacity for
adsorbing chlorine in potable water comprises
contacting activated carbon with an aqueous
solution of up to about 10% by weight of an
enhancing compound selected from the group
consisting of potassium iodide, ammonium

In re Patent Application of
Stephen E. Frazier
Serial No. To Be Assigned
Filed Date Herewith
_____ /

carbonate and ammonium sulfate, and drying the activated carbon. A chlorine removal device for removing chlorine from potable water includes a predetermined quantity of the enhanced activated carbon produced by the process and a water permeable holder containing the predetermined quantity of enhanced activated carbon.

In the Claims:

Please cancel without prejudice Claims 1 through 63, and enter the new claims set forth below.

1. A process of making enhanced activated carbon having an increased capacity for adsorbing chlorine in potable water, comprising:

a) contacting activated carbon with an aqueous solution of up to about 10% by weight of an enhancing compound selected from the group consisting of potassium iodide, ammonium carbonate and ammonium sulfate; and

b) drying the activated carbon.

2. The process of Claim 1, wherein contacting is for a time sufficient to saturate the activated carbon with the enhancing compound.

In re Patent Application of
Stephen E. Frazier
Serial No. To Be Assigned
Filed Date Herewith
_____ /

3. The process of Claim 1, wherein drying is accomplished by heating without reaching ignition temperature.

4. A chlorine removal device for removing chlorine from potable water, said device comprising:

 a) a predetermined quantity of the enhanced activated carbon produced by the process of Claim 1; and

 b) a water permeable holder containing said predetermined quantity of enhanced activated carbon.

5. The chlorine removal device of Claim 4 further comprising a member effective for a user to manually handle the device.

6. The chlorine removal device of Claim 5, wherein said member comprises a string.

7. The chlorine removal device of Claim 5, wherein said member comprises a handle.

8. The chlorine removal device of Claim 1, wherein said water permeable holder comprises paper.

9. The chlorine removal device of Claim 1, wherein said water permeable holder comprises a plastic material.

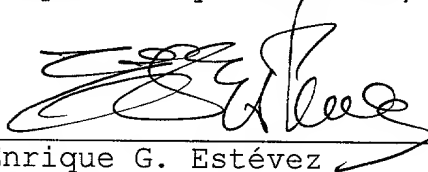
10. The chlorine removal device of Claim 1 in combination with an automatic beverage maker having a water reservoir, wherein

In re Patent Application of
Stephen E. Frazier
Serial No. To Be Assigned
Filed Date Herewith
_____ /

the chlorine removal device is positioned within the water reservoir so as to contact water therein for a time sufficient to remove chlorine from the water.

11. The chlorine removal device of Claim 1, wherein the automatic beverage maker comprises a coffee maker.

Respectfully submitted,



Enrique G. Estévez
Reg. No. 37,823
Allen, Dyer, Doppelt, Milbrath
& Gilchrist, P.A.


255 S. Orange Ave., Suite 1401
P. O. Box 3791
Orlando, Florida 32802
(407) 841-2330

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that this correspondence is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee: service under 37 CFR 1.10, Receipt No. .

EL768537729US

on the date indicated below and is addressed to BOX PATENT APPLICATIONS-DIV, Assistant Commissioner for Patents, Washington, D.C. 20231 on this 6th day of August, 2001.



Ann Fortenberry